

REMARKS

Claims 1, 3 to 6, 11 and 12 are pending in the application, with Claims 1, 6, 11 and 12, the independent claims, having been amended herein. Reconsideration and further examination are respectfully requested.

Claims 1, 6, 11 and 12 have been amended to correct an error in Applicant's previous Amendment After Final Rejection, dated January 21, 2003. In particular, Applicant previously incorrectly amended the independent claims to state that the feature of the interpolation is executed by "a floating point computation". However, this feature was intended to state that the interpolation is executed by "an *integer* computation". The use of an integer computation to perform the interpolation is supported by Equations 6' (one-dimensional interpolation), 8a and 8b (two-dimensional interpolation), and 10a to 10f (three-dimensional interpolation), and their accompanying descriptions, at pages 11 to 17 of the specification.

For example, in the one-dimensional interpolation, Equation 6' inputs values u' , L , P_0 , and P_1 , wherein the value of u' is an integer as shown in Equation 5', the value of L is a power of two (integer) as described at page 12, line 8, and the values of P_0 and P_1 are grid values (integers). Therefore, Equation 6' performs an integer computation.

In this manner, the present invention performs interpolation quickly by using an integer computation instead of a floating point computation, and a decline in the precision of the interpolation by using an integer computation is prevented.

Accordingly, Applicant requests favorable review and early passage to issuance of the application.

Applicant's undersigned attorney may be reached in our Costa Mesa, CA office at (714) 540-8700. All correspondence should continue to be directed to our below listed address.

Respectfully submitted,


Attorney for Applicant

Registration No. 40,595

FITZPATRICK, CELLA, HARPER & SCINTO
30 Rockefeller Plaza
New York, New York 10112-2200
Facsimile: (212) 218-2200
CA_MAIN 66203 v 1